

Title (en)  
ELASTIC HYDRAULIC ACCUMULATOR/RESERVOIR SYSTEM

Title (de)  
ELASTISCHES HYDRAULISCHES SPEICHER-/BEHÄLTERSYSTEM

Title (fr)  
SYSTÈME ACCUMULATEUR/RÉSERVOIR HYDRAULIQUE ÉLASTIQUE

Publication  
**EP 2670985 A4 20170308 (EN)**

Application  
**EP 11857830 A 20110131**

Priority  
US 2011023120 W 20110131

Abstract (en)  
[origin: WO2012105933A1] The invention is a combination accumulator and reservoir which stores energy when the accumulator deforms from its original shape in response to the flow of a pressurized fluid from the reservoir. The stored energy is returned when the fluid flow is reversed and the accumulator discharges the fluid and returns to its original shape. At least one part of the novelty of the invention is that the accumulator and the fluid reservoir reside in the same housing such that the volume of each varies inversely. Accordingly, the invention is more compact and weighs less than conventional accumulators. Another feature of the invention is that fluid is located around the bladder accumulator to lubricate contact between the bladder and sides of the reservoir.

IPC 8 full level  
**F15B 1/04** (2006.01); **B60K 6/12** (2006.01); **B60T 1/10** (2006.01); **F15B 1/16** (2006.01); **F15B 21/14** (2006.01)

CPC (source: EP)  
**B60T 1/10** (2013.01); **B60T 17/04** (2013.01); **F15B 1/165** (2013.01); **F15B 21/14** (2013.01); **F16D 61/00** (2013.01); **Y02E 60/16** (2013.01)

Citation (search report)  
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• [A] US 4520840 A 19850604 - MICHEL ROBERT [FR]  
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• See references of WO 2012105933A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012105933 A1 20120809**; CA 2826249 A1 20120809; EP 2670985 A1 20131211; EP 2670985 A4 20170308

DOCDB simple family (application)  
**US 2011023120 W 20110131**; CA 2826249 A 20110131; EP 11857830 A 20110131